TASK 1

**#include<stdio.h>**

**Int main()**

**{**

**Int n;**

**Printf(“enter the number”);**

**Scanf(“%d”,&n);**

**If((year%4==0 && year%100!=0)||(year%400=0))**

**{**

**Printf(“%d is a leap year\n”,year);**

**}**

**Else{**

**Printf(“%d is not leap year\n”,year);**

**}**

**Return 0;**

**}**

TASK 2

**#include<stdio.h>**

**int main()**

**{**

**char operator;**

**float num1,num2,result;**

**printf("enter an operator(+,-,\*,/):");**

**scanf("%c",&operator);**

**printf("enter two operands");**

**scanf("%f %f",&num1,&num2);**

**switch(operator)**

**{**

**case '+': result=num1+num2;**

**printf("%2f+%2f=%2f\n",num1,num2,result);**

**break;**

**case '-':result=num1-num2;**

**printf("%2f-%2f=%2f\n",num1,num2,result);**

**break;**

**case '\*':result=num1\*num2;**

**printf("%2f\*%2f=%2f\n",num1,num2,result);**

**break;**

**case '/':**

**if(num2=0)**

**{**

**printf("error:division by zero\n");**

**}**

**else{**

**printf("%2f/%2f=%2f\n",num1,num2,result);**

**}**

**break;**

**default:**

**printf("invalid operator");**

**}**

**return 0;**

**}**

TASK3

**#include<stdio.h>**

**int main(void)**

**{**

**int balance=100000,withdraw,deposite;**

**operation=input("do you want to deposite or withdraw?(enter deposited or withdraw )")**

**if(operation=="deposite")**

**{**

**float(input("enter the amount to deposite :"));**

**balance+=deposite amount**

**printf("amount deposited :₹%f",deposited amount);**

**printf("new account balance :₹%f",balance);**

**}**

**else if{(operation=="with draw")}**

**float(input("enter the amount to be withdraw:"))withdraw amount<=balance;**

**{**

**printf("withdrawn amount:₹%f",withdraw amount)**

**printf("new account balance :2%f",balance);**

**}**

**else**

**{**

**printf("insufficent account balance");**

**}**

**else**

**{**

**printf("invalid");**

**}**

**}**

TASK 4

**#include<stdio.h>**

**int main()**

**{**

**float principal,rate,time,interest;**

**printf("enter principal,rate,and time");**

**scanf("%f %f %f",&principal,&rate,&time);**

**interest=(principal\*rate\*time)/100;**

**printf("simple interest=%.2f\n",interest);**

**return 0;**

**}**

**TASK 5**

**#include<stdio.h>**

**int main()**

**{**

**int marks;**

**printf("enter your marks");**

**scanf("%d",&marks);**

**if(marks>=90)**

**{**

**printf("grade:A\n");**

**}**

**else if(marks>=75)**

**{**

**printf("grade:B\n");**

**}**

**else if(marks>=50)**

**{**

**printf("grade:C\n");**

**}**

**else**

**{**

**printf("grade:F\n");**

**}**

**Return 0**

**}**

TASK 1

**#include<stdio.h>**

**int main()**

**{**

**int n;**

**printf("enter the number");**

**scanf("%d",&n);**

**if((year%4==0 && year%100!=0)||(year%400=0))**

**{**

**printf("%d is a leap year\n",year);**

**}**

**else{**

**printf("%d is not leap year\n",year);**

**}**

**return 0;**

**}**